

Specification Requirements	Check If Meet or Exceed	Describe Offered Alternatives
I. <u>Engine:</u>		
1. Shall be a wet sleeved water-cooled 4 cylinder 236-cu.in-turbo-diesel engine.		
2. Shall develop 102 HP at 2600 RPM.		
3. The mufflers shall be equipped with rain-caps and spark arresters, meeting Washington State Laws for use in forested areas.		
4. Shall be equipped with a dry type air cleaner.		
5. The engine cover shall be lockable.		
6. Shall be equipped with a reverse cooling fan.		
7. All engine controls and the clutch shall be on the curbside of the unit.		
8. The unit shall be equipped with approximately a 24-gallon fuel tank.		

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<p>9. <u>Trade-In:</u></p> <p>The department desires to trade-in the aged unit(s) being replaced; therefore, a trade-in offer is required for this purchase.</p> <p>If WSDOT elects to accept trade-in offers, a <i>Best Buy</i> evaluation method will be used to determine the purchase; whereas both the bid price and the trade-in offer will be taken into consideration to determine the overall best purchase for the state taxpayers. If the trade-in offer is not acceptable, only the bid price will be considered.</p> <p>If a trade-in offer is accepted, the successful bidder agrees to</p> <ol style="list-style-type: none"> Invoice WSDOT for the full purchase amount of the new unit(s). Trade-in amounts will not be deducted. Coordinate with WSDOT headquarters to arrange for trade-in pickup. The correct phone number is 360-705-7869 Pay an invoice for the agreed upon trade-in amount(s) which will be issued by WSDOT headquarters after pick up arrangements have been finalized <p><i>Note: Payment of this invoice will be made to WSDOT headquarters, as directed by the invoice</i></p>		
<p>II. <u>Chipper:</u></p> <ol style="list-style-type: none"> Shall be a rear feed type. Shall be equipped with a safety bar to stop and reverse the feed wheels. The hydraulic Feed System shall be 16 1/2" long. The in-feed capacity shall be at least 12" X 12". The discharge chute shall have the ability to rotate 270 degrees. 		

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III. <u>Cutting System:</u>		
1. The system shall generate at least 900 RPM.	<hr/>	<hr/>
2. Shall be equipped with four hardened tool steel cutting knives.	<hr/>	<hr/>
3. Vendor shall provide two (2) spare sets of knives.	<hr/>	<hr/>
4. Shall be equipped with a 40-inch diameter X 1.5-inch wide cutting wheel.	<hr/>	<hr/>
IV. <u>In Feed Capacity:</u>		
1. The in-feed rate shall be at least 0-120 feet per minute.	<hr/>	<hr/>
2. The chip discharge height shall be in a range of 95 to 100 inches with an adjustable chip deflector.	<hr/>	<hr/>
3. Shall have a feed table length of at least 66 inches.	<hr/>	<hr/>
4. Shall be equipped with a hydraulic tongue pivot	<hr/>	<hr/>
<i>Note: The vendor shall provide option pricing for an Auto Feed system.</i>	<hr/>	<hr/>
V. <u>Chipper Body:</u>		
1. Taillights shall be torsion mounted, hermetic lens, factory sealed and mounted in rubber grommets.	<hr/>	<hr/>
2. The clearance lights shall be steel guarded type with screw on lens.	<hr/>	<hr/>
3. All wiring shall be protected by conduit and sealed.	<hr/>	<hr/>
<i>Note: All holes where wire passes through the body shall be protected with rubber grommets.</i>	<hr/>	<hr/>
4. The frame shall be constructed of six-inch channel with eleven gauge steel panels.	<hr/>	<hr/>

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5. The axle and suspension shall accommodate seven thousand pounds.		
<i>Note: The suspension shall be torsional rubber type suspension.</i>		
6. Shall be equipped with a 3-inch pintle hook, 2 5/16 inch trailer ball combination.		
7. Shall be equipped with an adjustable tongue, which extends and retracts.		
8. Shall be equipped with safety chains and grab hooks with brackets.		
9. The battery box shall be equipped with a splash proof and lockable lid.		
<i>Note: The battery terminals shall be protected with rubber covers.</i>		
10. All bolts shall be grade #8 with self-locking nuts.		
11. The chipper shall have two coats of protective primer applied to entire unit.		
12. The color shall be Sikkens 4039 (National Safety Yellow).		
13. Unit shall have electric brakes.		
14. The unit shall be equipped with a Cole Hersee seven-pole trailer connector.		
15. The unit shall be equipped with a lockable toolbox.		
<i>Note: All necessary warning and maintenance decals shall be installed. Unit must meet or exceed WISHA requirements.</i>		

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<p>VI. <u>Exterior Finish:</u></p> <p>WSDOT expects professional workmanship on all products purchased. With this in mind, the following finishing requirements will be closely scrutinized during the specification compliance inspection.</p> <ol style="list-style-type: none"> 1. There shall be no welding scale, roughness, sharp corners; or rust stains on the unit. 2. The unit shall be coated with 2 mils dry automotive quality primers, with an additional 2 mils dry of the manufacture's standard finish paint. 3. The unit supplier shall contact <u>Billboard Signs Company</u>, at 206-300-7300, to have the unit decaled prior to the WSDOT specification compliance inspection. Billboard Signs will invoice WSDOT directly for all unit decaling. 	<hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/>
<p>VII. <u>Publications:</u></p> <ol style="list-style-type: none"> 1. Each unit shall be delivered with an operator's manual. 2. Total quantity of Service, and Parts Manuals shall be provided as annotated below. <u>1</u> Parts Manual Per Unit <u>1</u> Service Manual Per Unit 	<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>